

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A wireless communication system comprising:

a means of transmitting a reception acknowledgement signal from a first wireless station;

a means of controlling a transmission rate of ~~a~~the reception acknowledgement signal transmitted from ~~a~~the first wireless station in response to reception of a data frame from ~~another~~
a second wireless station,

wherein the means of controlling controls the transmission rate of the reception acknowledgement signal based on the number of retransmissions of the data frame.

2. (canceled)

3. (currently amended): The wireless communication system according to claim

~~1~~claim 2, wherein the means of controlling makes the transmission rate lower than a current transmission rate when the number of retransmissions of the data frame is greater than a first predetermined value.

4. (currently amended): The wireless communication system according to any one

of claims 1 and 3, wherein the means of controlling controls the transmission rate of the reception acknowledgement signal based on the number of successive successes for the data frame.

5. (currently amended): The wireless communication system according to claim 4,

wherein the means of controlling makes the transmission rate higher than the current

transmission rate when the number of successive successes for the data frame is greater than a second predetermined value.

6. (currently amended): The wireless communication system according to any one of claims 1 and 3, wherein the first wireless station and the second~~another~~ wireless station are an access point and a mobile communication terminal, respectively, in a wireless LAN system.

7. (currently amended): A method of controlling transmission of a reception acknowledgement signal in a wireless communication system comprising:

controlling a transmission rate of a reception acknowledgement signal transmitted from a first wireless station in response to reception of a data frame from ~~another~~ a second wireless station,

wherein the transmission rate of the reception acknowledgement signal is controlled based on the number of retransmissions of the data frame.

8. (canceled)

9. (currently amended): The method of controlling transmission of a reception acknowledgement signal according to claim 7~~claim 8~~, wherein the transmission rate is made lower than a current transmission rate when the number of retransmissions of the data frame is greater than a first predetermined value.

10. (previously presented): The method of controlling transmission of a reception acknowledgement signal according to any one of claims 7 and 9, wherein the transmission rate of the reception acknowledgement signal is controlled based on the number of successive successes for the data frame.

11. (previously presented): The method of controlling transmission of a reception acknowledgement signal according to claim 10, wherein the transmission rate is made higher

than the current transmission rate when the number of successive successes for the data frame is greater than a second predetermined value.

12. (currently amended): The method of controlling transmission of a reception acknowledgement signal according to any one of claims 7 and 9, wherein the first wireless station and the second~~another~~ wireless station are an access point and a mobile communication terminal, respectively, in a wireless LAN system.

13. (currently amended): A wireless station comprising:
a means of transmitting a reception acknowledgement signal from the wireless station;
a means of controlling a transmission rate of the reception acknowledgement signal transmitted from the wireless station in response to reception of a data frame from ~~another~~ second wireless station,

wherein the means of controlling controls the transmission rate of the reception acknowledgement signal based on the number of retransmissions of the data frame.

14. (canceled)

15. (currently amended): The wireless station according to claim 13~~claim 14~~, wherein the means of controlling makes the transmission rate lower than a current transmission rate when the number of retransmissions of the data frame is greater than a first predetermined value.

16. (currently amended): The wireless station according to any one of claims 13 and 15, wherein the means of controlling controls the transmission rate of the reception acknowledgement signal based on the number of successive successes for the data frame.

17. (currently amended): The wireless station according to claim 16, wherein the means of controlling makes the transmission rate higher than the current transmission rate when

the number of successive successes for the data frame is greater than a second predetermined value.

18. (previously presented): The wireless station according to any one of claims 13 and 15, wherein the wireless station is one of an access point and a mobile communication terminal in a wireless LAN system.

19. (currently amended): A computer readable medium including a program that allows a computer to perform a method of controlling transmission in a wireless communication system, the method comprising:

controlling a transmission rate of the reception acknowledgement signal transmitted from a first wireless station in response to reception of a data frame from ~~another~~ a second wireless station, wherein ~~the means controls~~ the transmission rate of the reception acknowledgement signal is controlled based on the number of retransmissions of the data frame.

20. (currently amended): The wireless communication system according to claim 4, wherein the first wireless station and ~~another~~ the second wireless station are an access point and a mobile communication terminal, respectively, in a wireless LAN system.

21. (currently amended): The wireless communication system according to claim 5, wherein the first wireless station and ~~another~~ the second wireless station are an access point and a mobile communication terminal, respectively, in a wireless LAN system.

22. (currently amended): The method of controlling transmission of a reception acknowledgement signal according to claim 10, wherein the first wireless station and ~~another~~ the second wireless station are an access point and a mobile communication terminal, respectively, in a wireless LAN system.

23. (currently amended): The method of controlling transmission of a reception acknowledgement signal according to claim 11, wherein the first wireless station and ~~another~~the second wireless station are an access point and a mobile communication terminal, respectively, in a wireless LAN system.

24. (previously presented): The wireless station according to claim 16, wherein the wireless station is one of an access point and a mobile communication terminal in a wireless LAN system.

25. (previously presented): The wireless station according to claim 17, wherein the wireless station is one of an access point and a mobile communication terminal in a wireless LAN system.